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AMENDMENTS

1. (Currently Amended) A method to determine a time domain equalized signal-to-noise ratio of a data ~~mass~~ storage device, the method comprising the steps of:

reading data having a pseudo-random pattern from the data storage device to obtain read data; and

~~(a) verification of read data at a phase level; and~~

~~(b)~~ calculating ~~retrying~~ a time domain equalized signal-to-noise ratio from the read data ~~at a global level~~.

2. (Currently Amended) The method of claim 4 ~~claim 1~~, wherein the verifying step ~~retrying step (a)~~ further comprises the steps of:

~~(a)(1)~~ verifying all phases of the read data;

~~(a)(2)~~ determining a qualification of all phases of the read data; and

~~(a)(3)~~ determining exhaustion of phase level retry.

3. (Currently Amended) The method of claim 4~~claim 1~~, wherein the calculating step ~~retrying step (b)~~ further comprises the steps of:

~~(b)(1)~~ comparing the time domain equalized signal-to-noise ratio to a predetermined threshold; and

~~(b)(2)~~ determining the exhaustion of global level retry.

4. (Currently Amended) A ~~The~~ method to determine a time domain equalized signal-to-noise ratio of a data storage device, ~~of claim 1, wherein~~ the method comprising ~~further comprises~~ the steps of:

~~(c)~~ filling a write buffer ~~of the mass storage device~~ with data, the data having a pseudo-random pattern;

~~(d) setting a read channel of the mass storage device to output sampled analog-to-digital converted data to a NRZ bus of the mass storage device;~~

~~(e)~~ writing the write buffer to a media of the data ~~mass~~ storage device; ~~and~~

~~(f)~~ reading all phases of the data stored on the media, yielding read data;

verifying the read data at a phase level; and

calculating a time domain equalized signal-to-noise ratio at a global level.

5. (Canceled)

6. (Canceled)

7. (Currently Amended) The method of claim 4, wherein the method further comprises the step of:

~~(c)~~ calculating a time domain equalized signal-to-noise ratio from the read data.

8. (Canceled)

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9. (Currently Amended) The method of claim 4 ~~claim 7~~, wherein the method further comprises the step of:

~~(c)~~ ——determining that the data ~~mass~~ storage device passed or failed.

10. (Currently Amended) The method of claim 1, wherein the data ~~mass~~ storage device further comprises a disc drive.

11. (Currently Amended) A data storage device tester ~~disc drive~~ comprising:

~~a base;~~

~~a disc rotatably attached to the base;~~

~~an actuator for carrying a transducer head in a transducing relation with respect to the disc; and~~

a data storage medium; and

a ~~disc drive~~ controller, operably ~~communicatively~~ coupled to the data storage medium ~~actuator~~, the controller operably programmed to:

read data having a pseudo-random pattern from the storage medium to obtain read data; and

~~retry verification of read data at a phase level; and~~

calculate ~~retry~~ a time domain equalized signal-to-noise ratio from the read data ~~at a global level~~.

12. (Canceled)

13. (Canceled)

14. (Currently Amended) The data storage device tester ~~disc drive~~ of claim 11, wherein the controller is further programmed to:

verify all phases of the read data;

determine a qualification of all phases of the read data; and

determine exhaustion of phase level retry.

15. (Currently Amended) The data storage device tester ~~disc drive~~ of claim 14, wherein the controller is further programmed to:

compare the time domain equalized signal-to-noise ratio to a predetermined threshold; and

determine the exhaustion of global level retry.

16. (Currently Amended) The data storage device tester ~~disc drive~~ of claim 11, wherein the data storage medium ~~disc drive~~ further comprises a magnetic disc drive.

17. (Currently Amended) The data storage device tester ~~disc drive~~ of claim 11, wherein the data storage medium ~~disc drive~~ further comprises an optical disc drive.

18. (Withdrawn) A method to test a mass storage device, the method comprising the steps of:

(a) downloading Equalized Signal-to Noise Ratio (ESNR) determining firmware to a memory of the mass storage device;

(b) determining an ESNR value of the recording medium of the mass storage device, by executing the ESNR determining firmware; and

(c) determining rejection or acceptance of the recording medium of the mass storage device, from the ESNR value.

19. (Withdrawn) The method of claim 18, wherein the determining step (b) further comprises:

(b)(1) performing the ESNR determining firmware, yielding an ESNR value.

20. (Withdrawn) The method of claim 18, wherein the mass storage device further comprises a disc drive.

21. (Withdrawn) An information handling system comprising:

a mass storage device; and

a means to determine a time domain equalized signal-to-noise-ratio of the mass storage device.

22. (Canceled)

23. (Canceled)

24. (Canceled)

25. (Previously Presented) An apparatus configured to perform the method of claim 1.

26. (Canceled)